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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/085,519

DATE: 03/19/2002

TIME: 14:52:44

Input Set : N:\Crf3\RULE60\10085519.raw

Output Set: N:\CRF3\03192002\J085519.raw

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1 <110> APPLICANT: Audoneet et al.
2 <120> TITLE OF INVENTION: POLYNUCLEOTIDE VACCINE FORMULA, PARTICULARLY FOR
3   TREATING BOVINE RESPIRATORY DISEASE
4 <130> FILE REFERENCE: 454313-2250
6 <140> CURRENT APPLICATION NUMBER: 10/085,519
7 <141> CURRENT FILING DATE: 2002-02-28
9 <150> PRIOR APPLICATION NUMBER: 09/232,279
10 <151> PRIOR FILING DATE: 1999-01-15
13 <160> NUMBER OF SEQ ID NOS: 19
14 <170> SOFTWARE: PatentIn Ver. 2.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 2799
18 <212> TYPE: DNA
19 <213> ORGANISM: Bovine herpesvirus 2
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23   gccggcgggg cgcgcgccgc gctagccgct gccctgctat gggcgacgtg ggccctgctg 180
24   ctggcgggcgc ccgcccgggg gcgaccggcg acaacgcccc cggcgcccc gcccgaagag 240
25   gccgcgagcc cgcgcccccc cgcgagcccc agcccccccg gcccgcacgg cgacgacgcc 300
26   gccagccccg acaacagcac ggacgtgcgc gccgcgtcc ggctcgcgca ggcgccgggg 360
27   gaaaactcgc gcttcttcgt gtgcccgcgc ccctcggggc ccacggtggt ccggtcgcgc 420
28   cccgcgcggc cgtgccccga gtacgggctc gggcggaact acacggaggg catcggcgtc 480
29   atttacaagg agaacatcgc gccgtacacg ttcaaggcct acatttaca aaacgtgatc 540
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31   gtgcccgtgg gcatgggcga gatcacggac ctggtggaca agaagtggcg ctgcctttcg 660
32   aaagccgagt acctgcgcag cgggcgcaag gtggtggcct ttgaccgca cgacgacccc 720
33   tgggaggcgc cgtgaagcc cgcgcggtcg agcgcgccc ggggtgcggg ctggcacacg 780
34   acggacgatg tgtacacggc gctgggctcg gcggggctct accgcacggg caccctctgtg 840
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36   tcgaccgggg acattatcta catgtcgcgc ttttacgggc tgcgcgagg cgcgaccgc 960
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39   cgtgacggta gcctgggact ggggtcccaa gcgcaaaaac gtgtgctcgc tggccaagtg 1140
40   gcgcgaggcg gacgaaatgc tgcgagacga gagccgcggg aacttccgct tcacggcccc 1200
41   ctgcgtctcg gcgaccttg tgagcgacag ccacaccttc gcgttgca atgtgccgct 1260
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43   caacggcacc cactgtctgt cgggcagcct ggagacgtac ctggcgcgcg gcggctttgt 1380
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46   cgcgcgcgcc gcgcgcgcgc gtcgcgcgcc ggcagcccg gcgcggccaa cgggcccgc 1560
47   ggcgacggcg acgcccgcgc gcgggtgact accgtgagct cggccgagtt tgcgcgctg 1620
48   cagttcacct acgaccacat ccaggaccac gtgaacacca tgttcagccg cctggccacg 1680

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49      tcctggtgcc tgctgcagaa caaggagcgc gccctgtggg ccgaggcggc taagctcaac 1740
50      cccagcgcg cgccagcgc tgcgctggac cgccgcgccg ccgcgcgcac gttggggggac 1800
51      gccatggccg tgacgtactg ccacgagctg ggcgaggggc gcgtgttcat cgagaactcg 1860
52      atgcgcgcgc ccggcggcgt ttgctacagc cgcccgccgg tctcctttgc cttcggcaac 1920
53      gagagcgagc cgggtggagg ccagctcggc gaggacaacg agctgctgcc gggccgcgag 1980
54      ctgctggagc cctgcaccgc caaccacaag cgctacttcc gctttggcgc ggactacgtg 2040
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56      acctttgtgg acctaaacct cacggttctg gaggaccgcg agttcttgcc gctagaagtg 2160
57      tacacgcgcg ccgagctcgc cgacaggggt ctgctcgact acagcgagat acagcgccgc 2220
58      aaccagctgc acgagctccg gttctacgac attgaccgcg tggccaagac ggacggcaat 2280
59      atggccatca tgcgagggct cgccaacttc tttcagggcc tgggcgccgt cgggcaggcg 2340
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61      tcgtttattg cgaaccggtt cggcgcgctg gccacggggc tgctggtgct cgccgggctg 2460
62      gtggccgctt tcctggcgta ccggtacatt tccgcctcc gcagcaaccc catgaaggcg 2520
63      ctgtaccgca tcaccacgcg cgcgctcaag gacgacgcc ggggcgcaac cgccccgggc 2580
64      gaggaagagg aggagttaga cgcggccaaa ctggagcagg cccgcgagat gatcaagtat 2640
65      atgtcgctcg tgtcagcggc cgagcggcaa gagcacaagg cgaaaaagag caacaagggc 2700
66      ggcccgctgc tggcgaccgc gctgacgcag ctgcgccttc ggcggcgggc gccgccggag 2760
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69 <210> SEQ ID NO: 2
70 <211> LENGTH: 30
71 <212> TYPE: DNA
72 <213> ORGANISM: Bovine herpesvirus 2
73 <400> SEQUENCE: 2
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77 <211> LENGTH: 21
78 <212> TYPE: DNA
79 <213> ORGANISM: Bovine herpesvirus 2
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84 <211> LENGTH: 31
85 <212> TYPE: DNA
86 <213> ORGANISM: Bovine herpesvirus 2
87 <400> SEQUENCE: 4
88      aaactgcaga tgcaagggcc gacattggcc g 31
90 <210> SEQ ID NO: 5
91 <211> LENGTH: 27
92 <212> TYPE: DNA
93 <213> ORGANISM: Bovine herpesvirus 2
94 <400> SEQUENCE: 5
95      atcttgtagc atatgaccgt ggcgttg 27
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 33
99 <212> TYPE: DNA
100 <213> ORGANISM: Bovine herpesvirus 2
101 <400> SEQUENCE: 6
102      aaaactgcag ggatggcggc aacagccatg agg 33

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104 <210> SEQ ID NO: 7
105 <211> LENGTH: 31
106 <212> TYPE: DNA
107 <213> ORGANISM: Bovine herpesvirus 2
108 <400> SEQUENCE: 7
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111 <210> SEQ ID NO: 8
112 <211> LENGTH: 32
113 <212> TYPE: DNA
114 <213> ORGANISM: Bovine herpesvirus 2
115 <400> SEQUENCE: 8
116      aaaactgcag atgtccaacc atacccatca tc      32
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 35
120 <212> TYPE: DNA
121 <213> ORGANISM: Bovine herpesvirus 2
122 <400> SEQUENCE: 9
123      cgcggatccc tagatctgtg tagttgattg atttg      35
125 <210> SEQ ID NO: 10
126 <211> LENGTH: 35
127 <212> TYPE: DNA
128 <213> ORGANISM: Bovine herpesvirus 2
129 <400> SEQUENCE: 10
130      aaaactgcag atgtccgaca caaaagcaga agggg      35
132 <210> SEQ ID NO: 11
133 <211> LENGTH: 47
134 <212> TYPE: DNA
135 <213> ORGANISM: Bovine herpesvirus 2
136 <400> SEQUENCE: 11
137      cgcggatcct caataaaaat cattcccact gcgacttgaa acaaaac      47
139 <210> SEQ ID NO: 12
140 <211> LENGTH: 32
141 <212> TYPE: DNA
142 <213> ORGANISM: Bovine herpesvirus 2
143 <400> SEQUENCE: 12
144      acgcgtcgac atgaagaaac tagagaaagc cc      32
146 <210> SEQ ID NO: 13
147 <211> LENGTH: 33
148 <212> TYPE: DNA
149 <213> ORGANISM: Bovine herpesvirus 2
150 <400> SEQUENCE: 13
151      cgcggatcct cagccgggtt tgcaaactgg gag      33
153 <210> SEQ ID NO: 14
154 <211> LENGTH: 36
155 <212> TYPE: DNA
156 <213> ORGANISM: Bovine herpesvirus 2
157 <400> SEQUENCE: 14
158      acgcgtcgac atgacgacta ctgcattcct ggtatg      36
160 <210> SEQ ID NO: 15

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163 <213> ORGANISM: Bovine herpesvirus 2
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166                                     33
167 <210> SEQ ID NO: 16
168 <211> LENGTH: 33
169 <212> TYPE: DNA
170 <213> ORGANISM: Bovine herpesvirus 2
171 <400> SEQUENCE: 16
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175 <211> LENGTH: 33
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177 <213> ORGANISM: Bovine herpesvirus 2
178 <400> SEQUENCE: 17
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180                                     33
181 <210> SEQ ID NO: 18
182 <211> LENGTH: 30
183 <212> TYPE: DNA
184 <213> ORGANISM: Bovine herpesvirus 2
185 <400> SEQUENCE: 18
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187                                     30
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190 <212> TYPE: DNA
191 <213> ORGANISM: Bovine herpesvirus 2
192 <400> SEQUENCE: 19
193      ttggatcct cattgtctac ttgttagtac
194                                     30

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VERIFICATION SUMMARY

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